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Electrocatalytic oxidation and amperometric detection of ethanol on graphite electrodes modified with a coating composed of hexacyanometallates

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Abstract

The electrochemical behavior of methanol on graphite electrodes modified with a coating composed of (III) hexacyanoferrate and ruthenium(III) hexacyanoferrate(II) and hexacyanoruthenate(II) was studied. A method for electrochemical determination of ethanol on a carbon-paste electrode modified with a coating composed of ruthenium(III) hexacyanoruthenate(II) under stationary and flow-injection conditions was suggested. © 2004 MAIK "Nauka/Interperiodica".

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